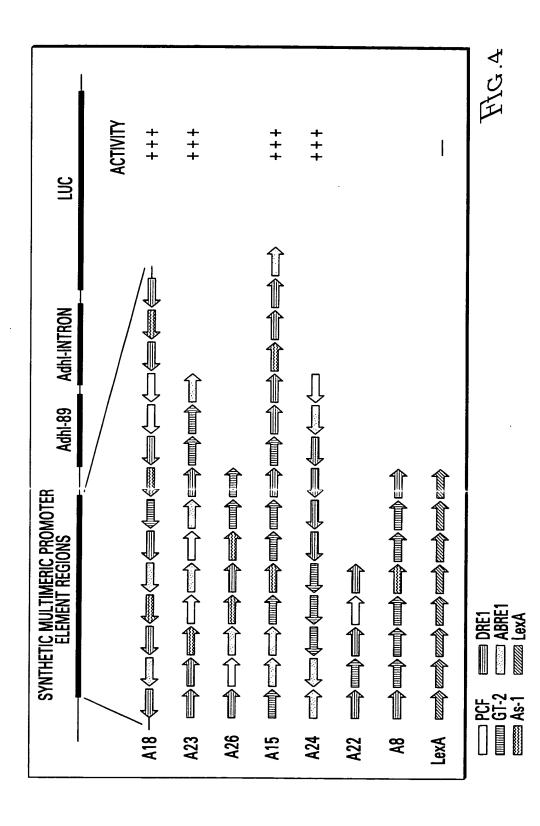
Q ID No.	Source Organism	Element Name	Sequence
1	wheat	Em1a	TGCCGGACACGTGGCGCGA
2*	maize	ABRE1	TTCGAGAAGAACCGAGACGTGGCGGGC
3	maize	ABRE A	GCGCTCGCGCCACGTGGGCATGCCGCC
4	maize	Prolamin P-box	GGTTGTCACATGTGTAAAGGTGAAG
5	maize	Z2 and Z3 box	GATCATGCATGTCATTCCACGTAGATAA
6	CaMV	35S AS-2	GTGGATTGATGTGATATCTC
7*	CaMV	35S AS-1 (As-1)	TCCACTGACGTAAGGGATGACGCACAAT
8	Agrobacterium T-DNA	OCS ele	TGACGTAAGCGCTTACGTCA
9	tobacco	GCC-box	GACTAATGGCGGCTCTTATCTCAC
10	sovbean	GH3 D1	GCCCTCGTGTCTCCTCAATAAGCTA
11	soybean	GH3 D3	GCAATCCTTTGTCTCAATAAGTTCCAC
12	soybean	P3	AAGGAGACAACTTGTCTCCCA
13	pea	GT-1 rbcS3A	ATCTTGTGTGTGTATATGGCTGC
14	Arabidopsis	TCA motif	CTTCATCTTCCTCCACCAAACG
15	Arabidopsis	C-repeat/DRE	ATTICATGCCGACCTGCTTTTT
16	soybean	HSE	AGAAGCTTCCAGAAGCTTCTAGAAG
17	maize	ERE	ATGCACGAATTGACCATTCC
18	parsley	gin2 PR box	CATACACCCCCCCCCCACTAAATAACACCCCCCCCCCCC
19	wheat	HBP-1a	CATAAGAGCCGCCACTAAAATAAGACCG
20	maize	A1 PROMOTER	GGCCACGTCACCAATCCGCG
21	maize	Bz1 PROMOTER	CGGGTCAGTGTACCTACCAACCTTAAACA
22	parsley	CHS promoter	CGTCTAACTGCGACTGGCAGGTGCGCAC
23	rice tungro bacilliform virus	BoxII	ATCCGGTGGCCGTCCCTCCAACCTAACCT
24*	rice		CCAGTGTGCCCCTGG
		phyA GT-2 (GT-2)	TAGGTTAATTATTGGCGGTAATTA
25	synthetic	GT-2 like	AAACGGTAAAAAAGCGGTAGATTACC
26	oat	Phy PF1	GAAATAGCAAATGTTAAAAATA
27	soybean	AT-com	AAAAATAATATTAATATTATATTGAAA
28	Arabidopsis	AG site	ATAAGCTTTACCATTAATGGTAAAGCTTGG
29	Arabidopsis	AP3 site	CAATACTTTCCATTTTTAGTAACTAAGCTT
30	Arabidopsis	TGAC motif	GGTATCGTTGACCGAGTTGACT
31	petunia	CAGT motif	TTGACAGTGTCACTTGACAGTGTCAC
32	maize	Dof1/Dof2	GATCAAAAAGTGAGATC
33	parsley	pr2 oligomer II	ATTCAATAGTGTGCTAATTGTTTAAGAGTT
34	barley	CE1	TGCCATTGCCACCGGCCCCCCA
35	soybean	H-box1	AGCAGACATGGTAGGCAGTGCA
36	bean	H-box2	TCACCTACCTACTTCCTATCC
37	barley	lox1	AATCGTCATGAATGAAGTCATGTGACGGC
38	tobacco	PR-2d	AGGGCAGCTTCGACCTCCTTCTCC
39	synthetic	ROL6	TCAGAACACGCAAGTTGCCAGCTCACCCA
40	maize	SGB box 2/3	AGATATGCATGATCTTTAAC
41	maize	SGB box 6-8	TGCGGTTTCTTTTGGCACAAATGGCATGA
42	maize	MS-BS7 box1-3	AAATCTACCTCCAACCAACCCAGCTTTGTA
43	maize	MS-BS7 box22-24	ATCACACCAACTTATCACCTAGAAAAGCGA
44	soybean	AuxRE DR5	CCTTTGTCTCCCTTTTGTCTC
45*	rice	PCNA IIA	CGAGGTGGCCCGTAGGTGGCCCGTAT
46	parsley	PAL1 Box E	TACCTITITACCCTTCATGTCATC
47	pea	myb26	GTCGACAAAAGTTAGGTTAGCAGGC
48	barley	GÁRE	GGCCGATAACAAACTCCGGCC
49	tomato	E8	TTTTATTCCCAACAATAGAAAGTCTTG
50	tobacco	E1RE	GATTTGGTCAGAAAGTCAGTCC
51	wheat	CA	GTAGTGCCACCAAACACACATACCAAATT
52	rape	napA	GATCCCACATACACATACACG
53	sunflower	HaG3-A -75	CAGCTCCAAATGGTGATCTTCTCCTGG
54	sunflower	HaG3-A -111	TATACAGATGTAGCATGTCT
55	maize_	Prolamin box	TTGACGTGTAAAGTAAATTTACAAC
56	pea	TGAC-like	GACACGTAGAATGAGTCATCAC
57	maize	SP20+6	GTCCCTCCCGTCCCAGAGAAACCC
58	tobacco	MSA RT1	TGTCCCCCAACGGTCTTATT
59*	Arabidopsis	DRE rd29A1 (DRE 1)	ATATCATACCGACATCAGTT
60	Arabidopsis	DRE rd29A2	
61	Arabidopsis		ATATACTACCGACATGAGTT
62	tobacco	CGF-1	GATAAAGATTACTTCAGATATAACAAACGT
63		Itp1 D1	TTCCCCTAGCTAGATACTTCATT
64	pea tomate	ENBP1	CGATTATTGAGATATATAATAAATTAG
· ·	tomato	MRE	CGAAAACATACGCGCGAAATT

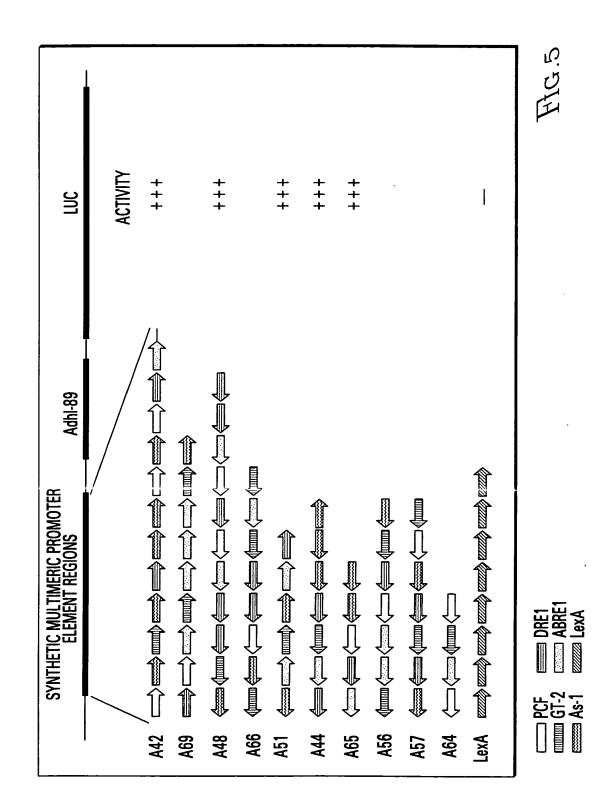
POOL	# 9	10	11	12	13	14	15	16
1	Em1a	ABRE1	ABREa	P-Box	Z2Z3	As-2	As-1	Ocs
2	GCC	GH3D1	GH3D3	P3	GT-1	TCA	C/DRE	HSE
3	ERE	PRbox	HBP-1a	A1	Bz1	CHS	BoxII	GT-2
4	ROL	PF1	AT-com	AG	AP3	TGAC	CAGT	DOF
5	PR2	CE1	H-box1	H-box2	Lox1	PR-2d	ROL6	USA
6	USB	USC	USD	DR5	PCF	PAL1	myb26	GARE
7	E8	E1RE	CA	napA	HaG3.75	HaG3.111	P-box2	TGAC2
8	SP20+6	MSA	DRE1	DRE2	CGF1	ltp1D1	ENBP1	MRE

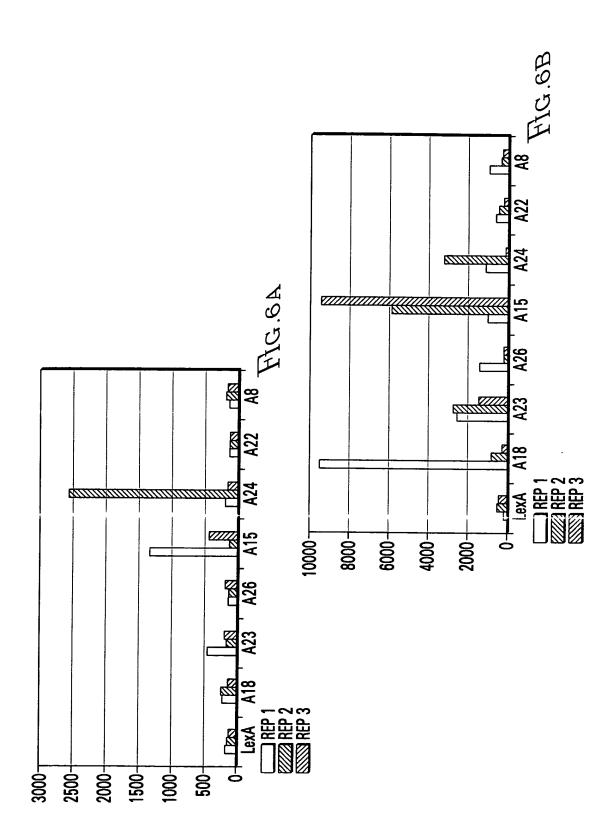
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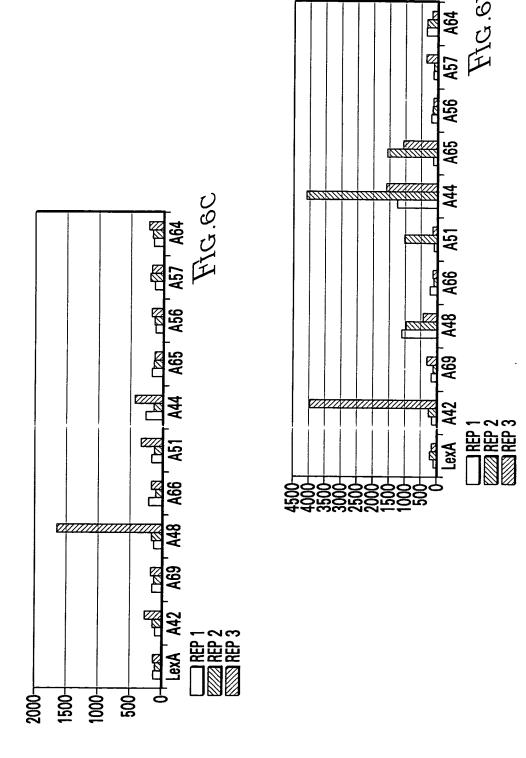
POOL	# 9	10	11	12	13	14	15	16	
1	Em1a	ABRE1	ABREa	P-Box	Z2Z3	As-2	As-1	Ocs	
2	GCC	GH3D1	GH3D3	Р3	GT-1	TCA	C/DRE	HSE	
3	ERE	PRbox	HBP-1a	A1	Bz1	CHS	BoxII	GT-2	
4	ROL	PF1	AT-com	AG	AP3	TGAC	CAGT	DOF	
5	PR2	CE1	H-box1	H-box2	Lox1	PR-2d	ROL6	USA	
6	USB	USC	USD	DR5	PCF	PAL1	myb26	GARE	
7	E8	E1RE	CA	napA	HaG3.75	HaG3.111	P-box2	TGAC2	
8	SP20+6	MSA	DRE1	DRE2	CGF1	ltp1D1	ENBP1	MRE	

E.DfT









A15 (PHP14147) 413bp

GT-2	ABRE1	
TAGGTTAATTTATTGGGCGGTAAT	FTATAGCTTCGAGAAGAACCGAGACGTGGCGGG	CTAC
ABRE1	GT-2	
CTTCGAGAAGAACCGAGACGTGG	CGGGC <u>TAGC</u> TAGGTTAATTATTGGCGGGTAATT	ATAG
AS-1	GT-2	
CTCCACTGACGTAAGGGATGACGC	CACAAT <u>TAGC</u> TAGGTTAATTATTGGCGATAATT	ATAG
GT-2	DRE1	
CTAGGTTAATTATTGGCGGTAATT	PA <u>TAGC</u> ATATCATACCGACATCAGTT <u>TAGC</u> TAG	GTTA
GT-2	DRE1 DRE1	-
ATTATTGGCGGTAATTA <u>TAGC</u> AT	ATCATACCGACATCAGTT <u>TAGC</u> ATATCATACCG	ACAT
AS-1	DRE1	
CAGTTTAGCTCCACTGACGTAAGG	GGATGACGCACAAT <u>TAGC</u> ATATCATACCGACAT	CAGT
DRE1	ABRE1	
T <u>TAGC</u> ATATCATACCGACATCAGT	TT <u>TAGC</u> TTCGAGAAGAACCGAGACGTGGCG	

A18 (PHP14148) 392bp

DRE1		ABRE1
GCTA AACTGATGTCGGTATGATA	TGCTAGCCCGCCA(CGTCTCGGTTCTTCTCGAA <u>GCTA</u> AACTG <i>I</i>
DRE1	AS-1	ABRE1
TGTCGGTATGATATGCTAATTGT	GCGTCATCCCTTAC	CGTCAGTGGA <u>GCTA</u> GCCCGCCACGTCTCG
D	RE1	GT-2
GTTCTTCTCGAAGCTAAACTGAT	GTCGGTATGATATC	CTATAATTACCGCCAATAATTAACCTAG
AS-1		DRE1
CTAATTGTGCGTCATCCCTTACG	TCAGTGGA <u>GCTA</u> AA	ACTGATGTCGGTAGATAT <u>GCTA</u> ATACGGG
PCF	F	PCF
CCCACCTACGGGCCCACCTCGGC	TAATACGGGCCCAC	CTACGGGCCCACCTCG <u>GCTA</u> AACTGATG
DRE1	AS-1	DRE1
TCGGTATGATATGCTAATTGTGC	GTCATCCCTTACGT	CAGTGGA <u>GCTA</u> AACTGATGTCGGTATGA
TA		

A23 (PHP14149) 314bp

DRE1	DRE1	AS-1
TAGCATATCATACCGACATCAGTTTAC	<u>GC</u> ATATCATACCGACATCAG1	TTAGCTCCACTGACGTAA
	PCF1	ABRE1
GGGATGACGCACAAT <u>TAGC</u> CGAGGTGC	GCCCGTAGGTGGGCCCGTAT	TAGCTTCGAGAAGAACCG
	CF1	ABRE1
AGACGTGGCGGC <u>TAGC</u> CGAGGTGGGC	CCCGTAGGTGGGCCCGTATTA	GCTTCGAGAAGAACTGAG
DRE1		GT-2
ACGTGGCGGC <u>TAGC</u> ATATCATACCGA	ACATCAGTT <u>TAGC</u> TAGGTTAA	TTATTGGCGGTAATTATA
GT-2	ABRE1	
<u>GC</u> TAGGTTAATTATTGGCGGTAATTA <u>T</u>	AGCTTCGAGAAGAACCGAGG	ACGTGGC

A24 (PHP14150) 278bp

ABRE1	ABRE1	GT-2
TAGCTTCGAGAAGACGTGGCGGGC	CGCCACGTCTCGGTTCTTCTCGAAG	CTATAATTACCGCCAA
	GT-2	GT-2
TAATTAACCTAGCTATAATTACCG	CCAATAATTAACCTA <u>GCTA</u> TAATTA	CCGCCAATAATTAACC
DRE1	DRE1	DRE1
TAGCTAAACTGATGTCGGTATGAT	AT <u>GCTA</u> AACTGATGTCGGTATGATA	TGCTAAACTGATGTCG
DRE1	AB	RE1
GTATGATATGCTAAACTGATGTCG PCF	GTATGATAT <u>GCTA</u> GCCCGCCACGTC	TCGGTTCTTCTCGAAG
<u>CTA</u> ATACGGGCCCACCTA		

Ftg.10

A42 (PHP14151) 348bp

	AS-1
CCCGTAT <u>TAGC</u> TCCACTGA	CGTAAGGGATGACGCACAAT <u>TAGC</u> T
AS-1	
TATAGCTCCACTGACGTAA	GGGATGACGCACAAT <u>TAGC</u> ATATCA
AS-1	AS-1
ACTGACGTAAGGGATGACG	CACAATTAGCTCCACTGACGTAAGG
PCF	AS-1
GTGGGCCCGTAGGTGGGCC	CGTATTCCACTGACGTAAGGGATGA
PCF	DRE1
CCCGAGGTGGGCCCGTATT	AGCATATCATACCGACATCAGTT <u>TA</u>
AG	
	FfG.11
	AS-1 FATAGCTCCACTGACGTAA AS-1 ACTGACGTAAGGGATGACG PCF GTGGGCCCGTAGGTGGGCC PCF CCCGAGGTGGGCCCGTATL

A44 (PHP14152) 198bp

DRE1 ABRE1 $\frac{\text{TAAACTGATGTCGGTATGATAATTGCCAA}{\text{CCCAGCCACGGTCCCGGTTCTTCTCGAAGCTA}{\text{TAAATTA}}}{\text{GT-2}} DRE1 As-1 \\ \text{CCGCCAATAATTAACCTAGCTAAACTGATGTCGGTATGATATGCTAATTGTGCGTCATCCCTTAC} \\ As-1 As-1 \\ \text{GTCAGTGGAGCTAATTGTGCGTCATCCCTTACGTCAGTGGAGCTCCACTGAACGTAAGGGATGAC}} \\ \text{GTC}$

Fig.12

A48 (PHP14153) 302bp

AS-	1	GT-2	
TTGTGCGTCATCCC	TTACGTCAGTGGA <u>G</u> TAAT	TACCGCCAATAATTAA	CCTA <u>GCTA</u> AACTGATGT
DRE1	DRE1	AB	RE1
CGGTATGATAT <u>GCT</u>	AAACTGATGTCGGTATGA'	TAT <u>GCTA</u> GCCCGCCAC	GTCTCGGTTCTTCTCGA
	PCF	DRE1	
AGCTAATACGGGCC	CACCTACGGGCCCACCTC	G <u>GCTA</u> AACTGATGTCG	GTATGATAT <u>GCTA</u> ATAC
PCF		ABRE1	
GGGCCCACCTACGG	GCCCACCTCG <u>GCTA</u> GCCC	GCCACGTCTCGGTTCT'	ICTCGAA <u>GCTA</u> AACTGA
DRE1	DRE1	•	
IGTCGGTATGATAT	GCTAAACTGATGTCGGTA:	TGATAT <u>GCTA</u>	

F1G.13

A51 (PHP14154) 157bp

AS-1 ABRE1

GTGCGTCATCCCTTACGTCAGTGGAGCTTCGAGAAGAACCGAGACGTGGCGGGC<u>TAGC</u>TAGGTTA GT-2 AS-1 ABRE1

TAGCATATCATACCGACATCAGTTTAG